

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all previous listings, and versions, of claims in the application.

**Listing of Claims:**

1. (Currently Amended) An implantable fluid management system comprising:  
an implantable pump having an inlet and an outlet, the implantable pump configured to be implanted subcutaneously in a peritoneal cavity so that a portion of the implantable pump partially protrudes from the peritoneal cavity;  
a first tube coupled between the peritoneal cavity and the inlet member having a first end, a second end, and a length which defines a lumen therethrough;  
a second tube coupled between the outlet and a bladder member having a first end, a second end, and a length which defines a lumen therethrough; and  
a pump fluidly coupled to the second end of the first tube member and to the first end of the second tube member; and  
an integrated controller-external control module configured to be periodically coupled to the implantable for controlling actuation of the pump to transfer energy to the implantable pump, the external control module having a feature configured to circumferentially engage the protruding portion of the implantable pump  
wherein the system causes a flow of fluid from a first body cavity to a second body cavity;  
wherein the pump is disposed in a housing made of a biocompatible material; and  
wherein the system includes one or more anti-infective coatings disposed on a surface of the pump, such to prevent a spread of infections between the first and second body cavities.
2. (Canceled)
3. (Currently Amended) The system of claim 1, wherein ~~the pump is programmed to be actuated~~ control module activates the pump when pressure in the ~~first body~~ peritoneal cavity exceeds a predetermined level.

4. (Currently Amended) The system of claim 1, wherein the ~~pump is programmed to be actuated~~ control module prevents activation of the pump when pressure in the ~~second body cavity-bladder~~ exceeds a predetermined threshold.

5-32. (Canceled)

33. (Currently Amended) The system of claim ~~[[1]]~~ 39, wherein the housing comprises anchors opposing rotational forces generated by the pump, and wherein the anchors are selected from the group consisting of barbed insertion pins, a screw threading defined on an outside surface of the pump, one or more pins designed to be inserted into the abdominal wall, and combinations thereof.

34. (Canceled)

35. (Currently Amended) The system of claim ~~[[1]]~~ 39, wherein the housing comprises a material promoting fibrotic ingrowth into the housing.

36. (Currently Amended) The system of claim ~~[[1]]~~ 39, wherein one or more anti-infective coatings are provided on the housing.

37. (Canceled)

38. (Currently Amended) The system of claim 1, further comprising:  
a first sensor disposed at ~~the first-an~~ end of the first tube; and  
a second sensor disposed at ~~the second-an~~ end of the second tube,  
wherein the first sensor is a pressure sensor or a chemical sensor, and  
wherein the second sensor is a pressure sensor or a chemical sensor.

39. (New) The system of claim 1, further comprising a housing made of a biocompatible material, the pump being disposed in the housing.

40. (New) The system of claim 1, wherein the pump is configured to be remotely activated.

41. (New) The system of claim 1, wherein the feature of the control module comprises at least one arm that protrudes to define a circumferential cavity for receiving the portion of the implantable pump.
42. (New) The system of claim 1, wherein the external control module comprises a driveshaft and a magnet holding arm, the driveshaft transferring power to the magnet holding arm.
43. (New) The system of claim 1, wherein the external control module transfers the energy to the implantable pump via a magnetic coupling.
44. (New) The system of claim 1, wherein the pump comprises a battery.